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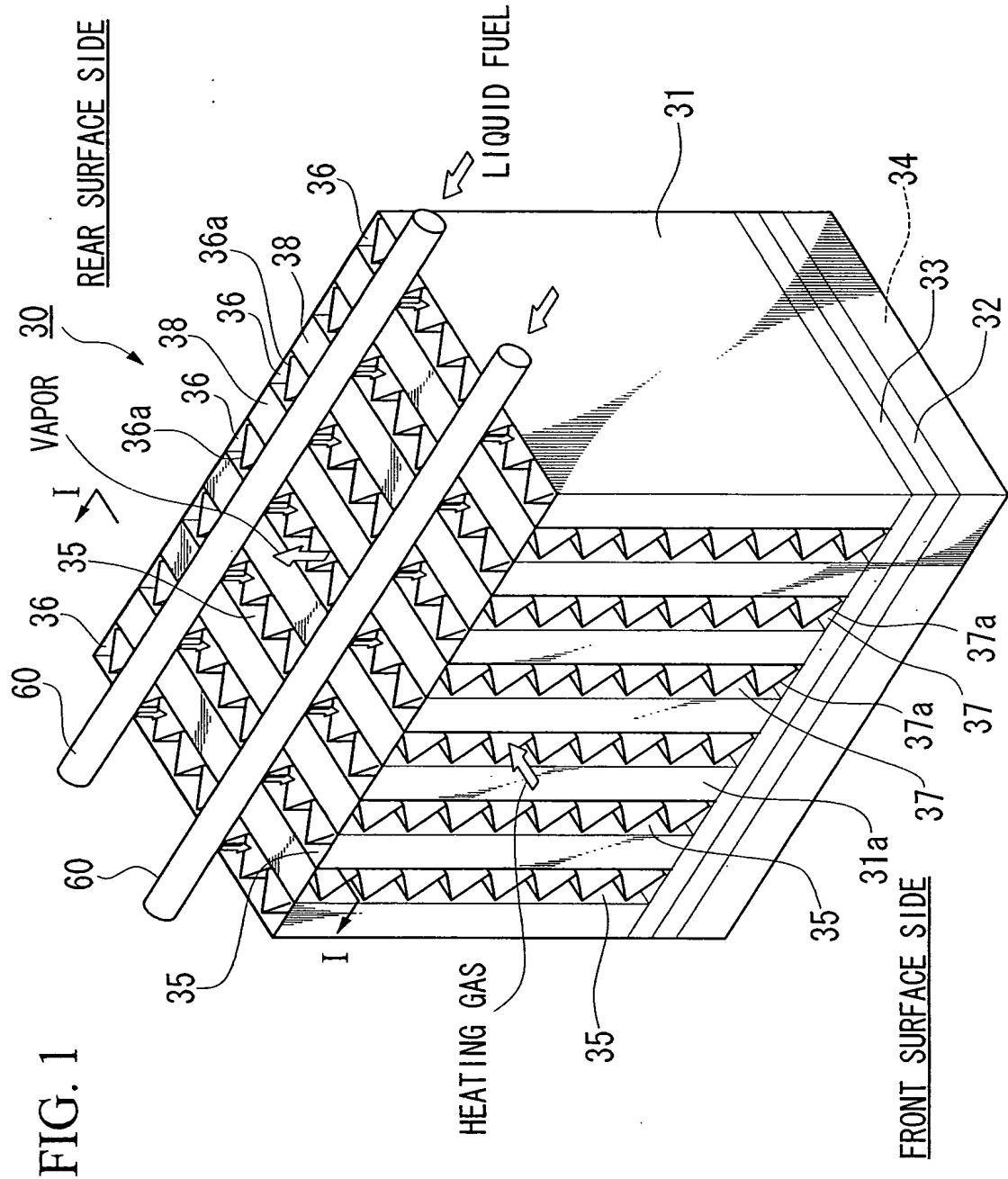


FIG. 1

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FIG. 2

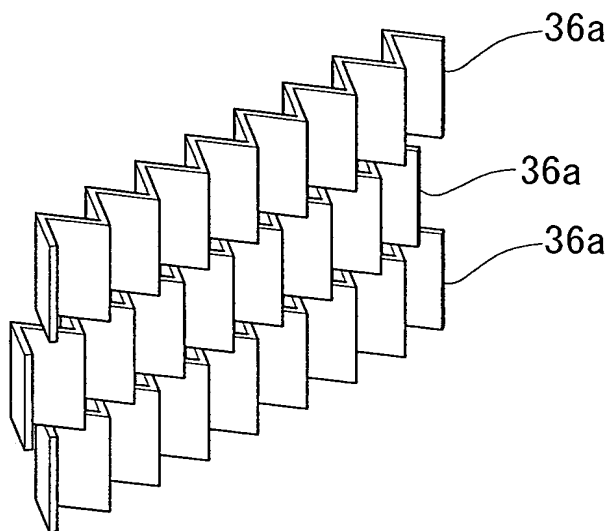
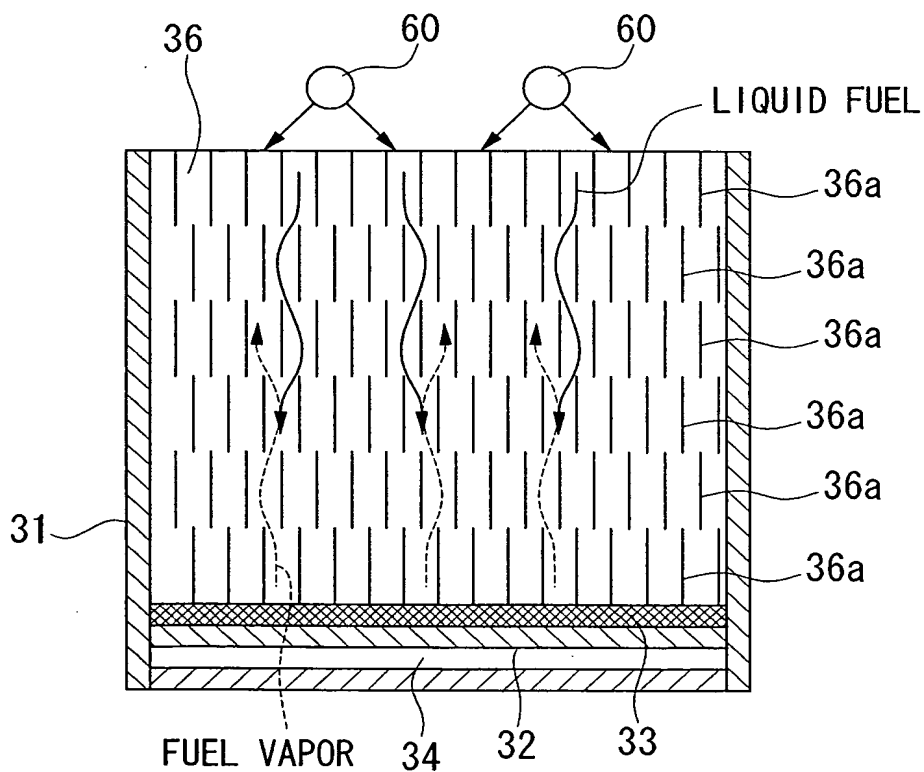


FIG. 3



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FIG. 4

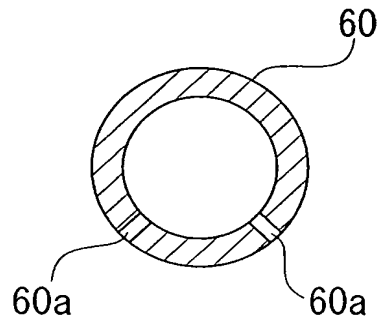
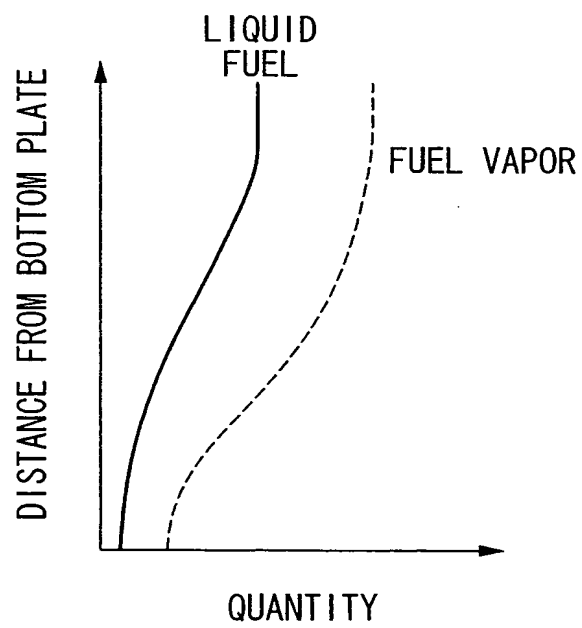


FIG. 5





A schematic diagram of a flow field within a rectangular channel. The channel is bounded by a top wall (37d) and a bottom wall (37c). Inside the channel, there are ten vertical tubes (37b). Arrows indicate the flow direction: entering from the bottom wall (37c), moving upwards through each tube, and exiting from the top wall (37d). The flow is uniform across all tubes.

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FIG. 9A

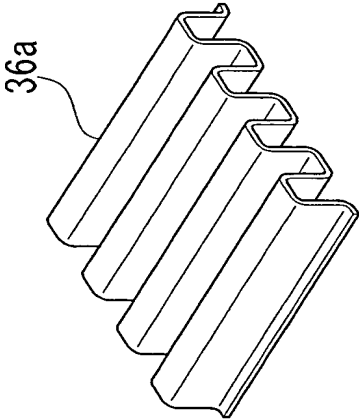


FIG. 9B

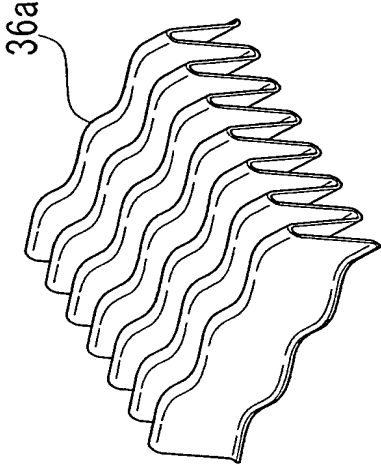


FIG. 9C

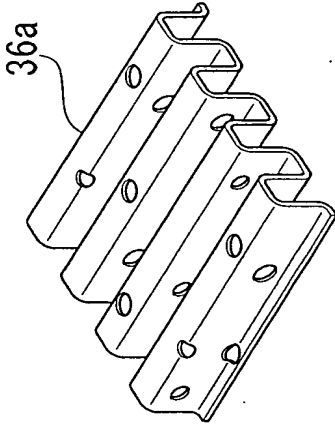


FIG. 9D

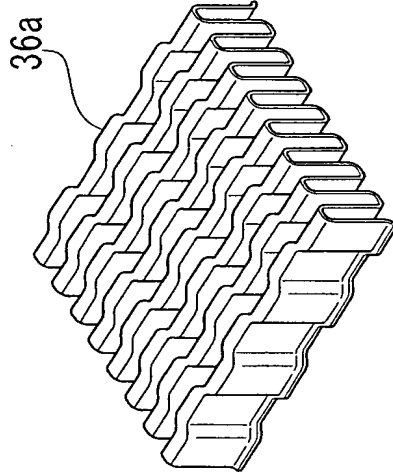
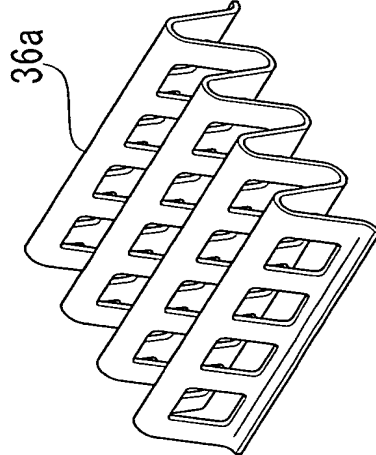
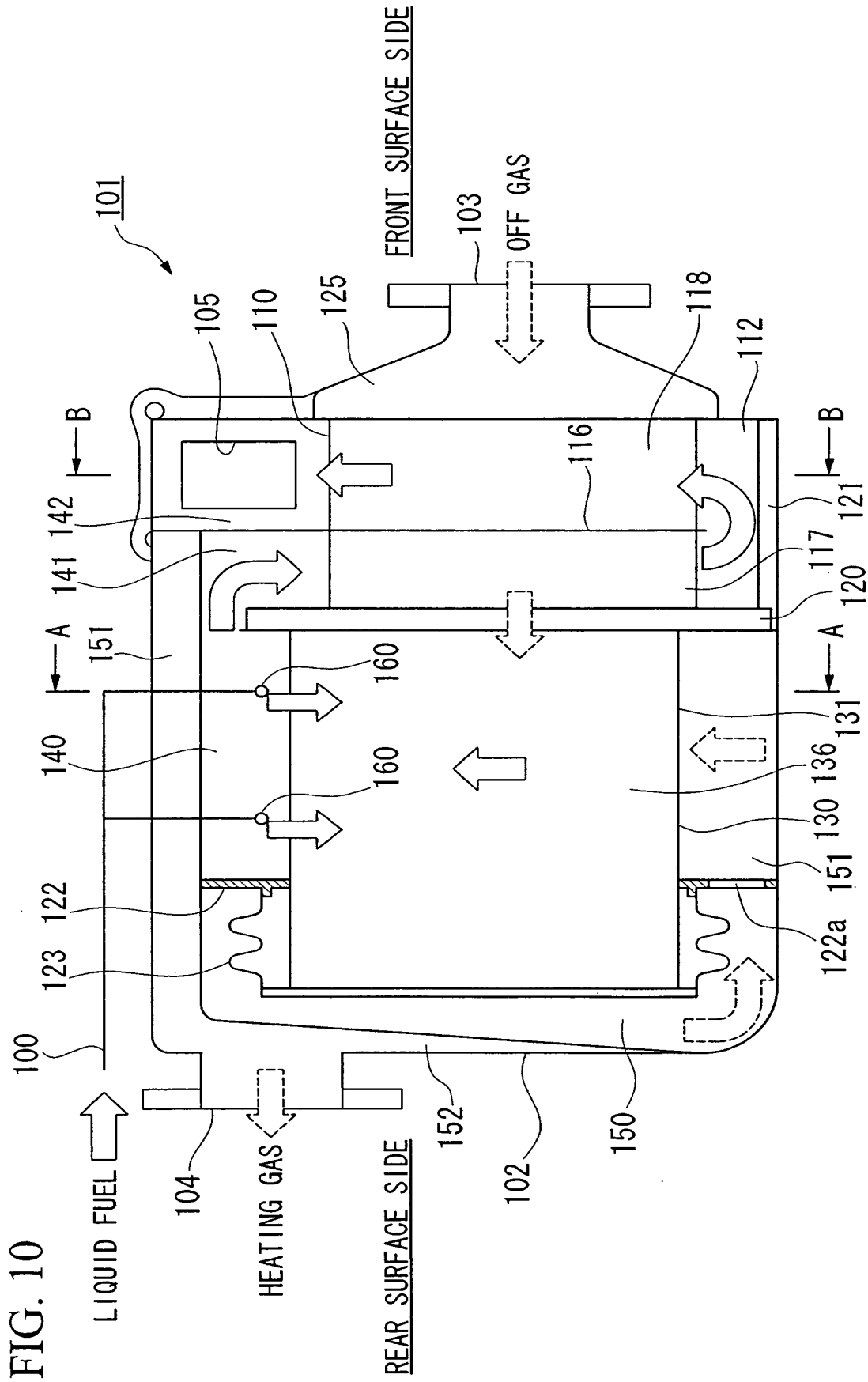


FIG. 9E

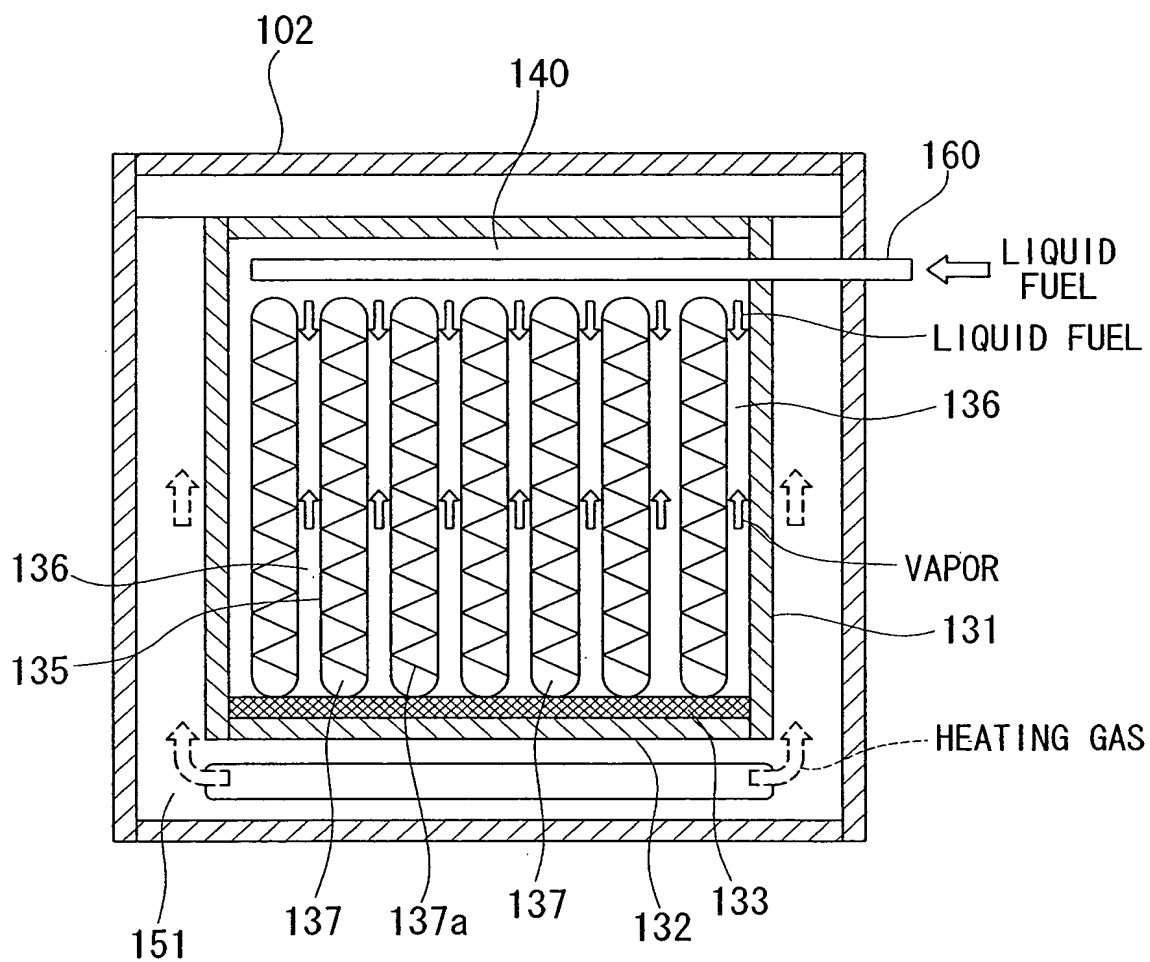


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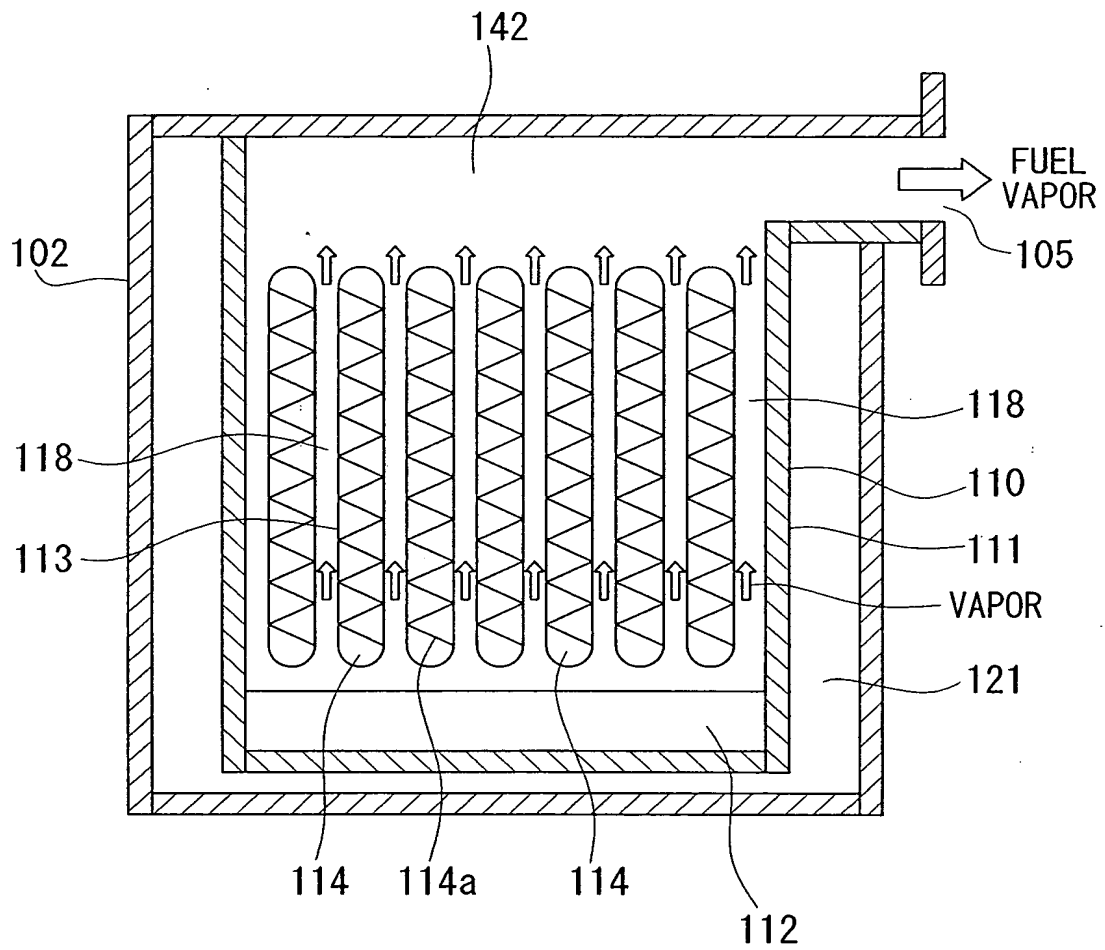
FIG. 11



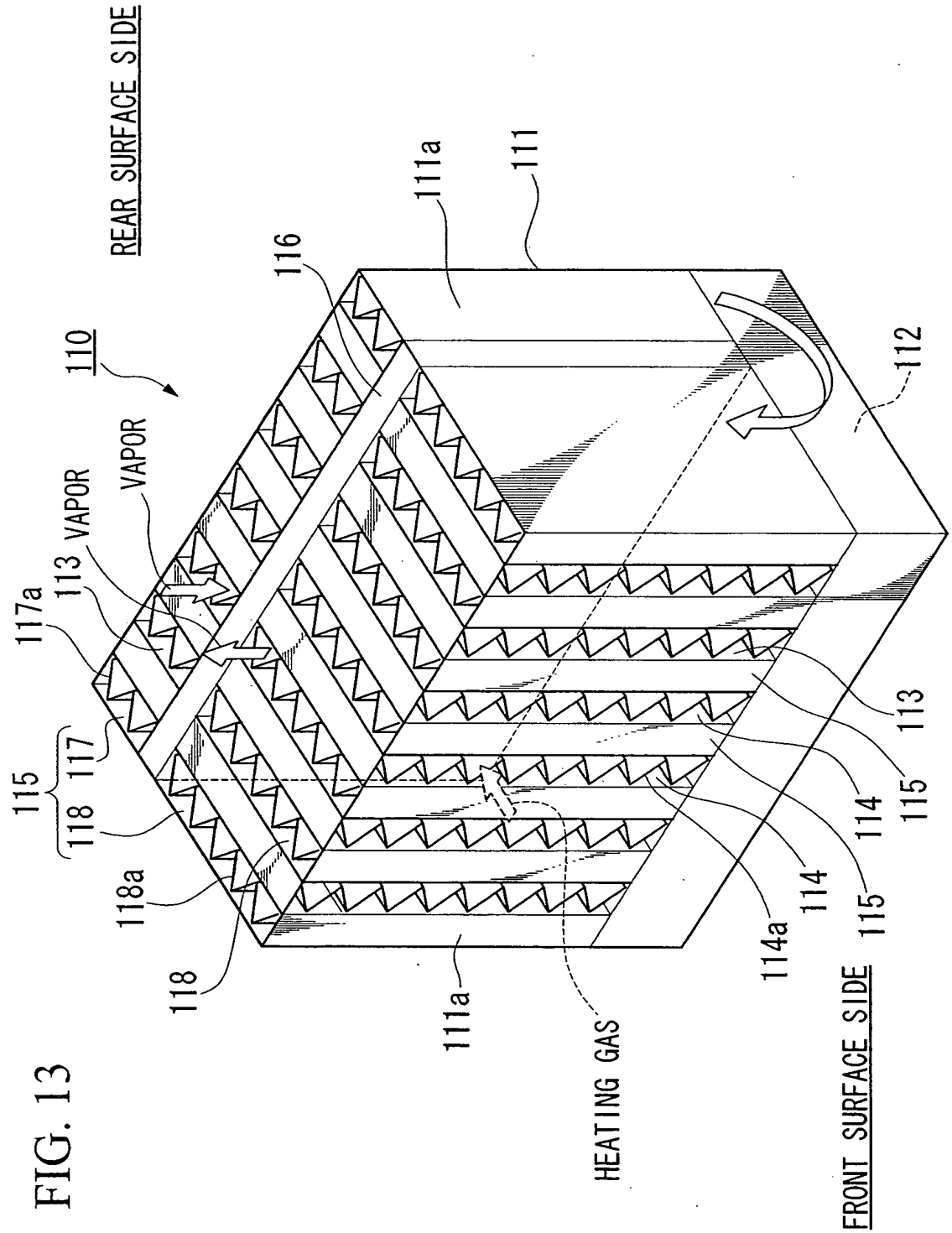


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FIG. 12



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FIG. 15

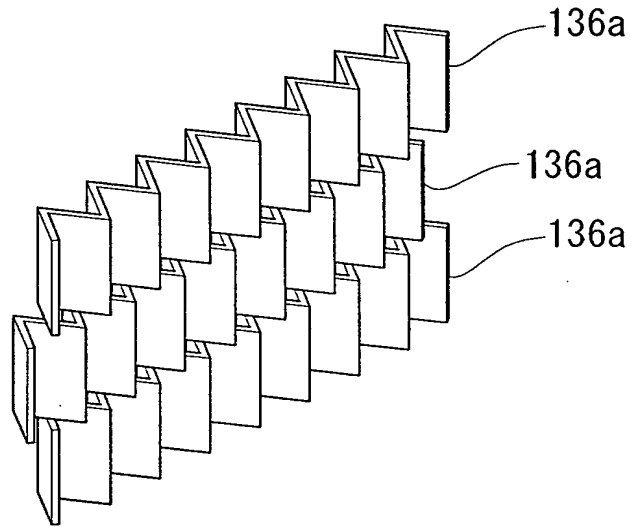


FIG. 16

